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Application No. (if known): 10/525710

Attorney Docket No.: 13111-00006-US

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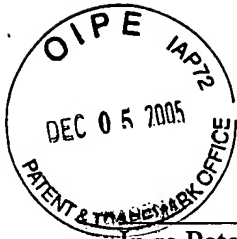
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Information Disclosure Statement (2 pages)
SB/08 (4 pages)
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Docket No.: 13111-00006-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Burkhard Kröger et al.

Application No.: 10/525710

Confirmation No.: 3746

Filed: February 24, 2005

Art Unit: 1645

For: METHOD FOR ZYMOTIC PRODUCTION
OF FINE CHEMICALS CONTAINING
SULPHUR (METY)

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Please note that the co-pending U.S. national stage applications referred to in the previously submitted Information Disclosure Statement have now received U.S. application serial numbers. Previously submitted PCT published application WO-2004/024931 corresponds to U.S. national stage application Serial No. 10/525,907 and PCT published application WO-2004/024932 corresponds to U.S. national stage application Serial No. 10/525,674.

Further note that PCT published application WO-2003/087386 enclosed herewith corresponds to U.S. national stage application Serial No. 10/511,302.

Of the documents listed on the attached SB/08 are the documents cited in the International Search Report during the prosecution of international application no. PCT/EP2003/009453, which corresponds to the above referenced application and which had not been previously submitted. In accordance with 37 CFR 1.97(b)(3), Applicants hereby submit these documents for the Examiner's consideration. A copy of each document required under 37 CFR 1.98(a)(2) is enclosed.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such. Moreover, Applicants understand the Examiner will make an independent evaluation of the cited documents.

Applicants believe no fee is due. However, if a fee is due, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13111-00006-US, from which the undersigned is authorized to draw.

Respectfully submitted,

By 
Roberte M. D. Makowski, Ph.D.

Registration No.: 55,421
CONNOLLY BOVE LODGE & HUTZ LLP
1007 North Orange Street
P.O. Box 2207
Wilmington, Delaware 19899
(302) 658-9141
(302) 658-5614 (Fax)
Attorney for Applicants



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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/525710-Conf. #3746		
		Filing Date	February 24, 2005		
		First Named Inventor	Burkhard Kröger		
		Art Unit	1645		
		Examiner Name	Not Yet Assigned		
Sheet	1	of	4	Attorney Docket Number	13111-00006-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-5,965,391	10-12-1999	Reinscheid et al.	
	AB*	US-5,158,891	10-27-1992	Takeda et al.	
	AC*	US-2003/0170775-A1	09-11-2003	Pompejus, et al.	
	AD*	US-4,489,160	12-18-1984	Katsumata et al.	
	AE*	US-4,601,893	07-22-1986	Cardinal	
	AF*	US-5,175,108	12-29-1992	Bachmann et al.	
	AG*	US 10/511,302		Kröger et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	EP-1108790-A2	06-20-2001	Kyowa Hakko Kogyo Co., Ltd.		
	BB	DE-10046870-A1	03-28-2002	BASF Aktiengesellschaft		See US-2003/0170775-A1
	BC	WO-03/100072-A2	12-04-2003	BASF Aktiengesellschaft		
	BD	EP-0472869-A2	03-04-1992	Degussa AG		See US 5,175,108.
	BE	WO-96/15246-A1	05-23-1996	Forschungszentrum Jülich GMBH		See US 5,965,391.
	BF	JP-10-229891-A	09-02-1998	Mitsubishi Rayon Co., Ltd.		See Abstract.
	BE	WO-2003/087386-A3	10-23-2003	BASF Aktiengesellschaft		See US 10/511,302

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	KASE, H., ET AL., "L-Methionine Production by Methionine Analog-resistant Mutants of <i>Corynebacterium glutamicum</i> ", Agr. Biol. Chem., Vol. 39, No. 1, 1975, pp. 153-160.		
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	CC	LIEBL, W., "High efficiency electroporation of intact <i>Corynebacterium glutamicum</i> cells", FEMS Microbiology Letters, Vol. 65, 1989, pp. 299-304.		
	CD	PEARSON, W. R., ET AL., "Improved tools for biological sequence comparison", Proc. Natl. Acad. Sci. USA, Vol. 85, 1988, pp. 2444-2448.		

Examiner Signature	Date Considered
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			Application Number	10/525710-Conf. #3746	
			Filing Date	February 24, 2005	
			First Named Inventor	Burkhard Kröger	
			Art Unit	1645	
			Examiner Name	Not Yet Assigned	
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CE	LENNOX, E.S., "Transduction of Linked Genetic Characters of the Host by Bacteriophage P1", <i>Virology</i> , Vol. 1, 1955, pp. 190-206.
CF	SAHIN-TOTH, M., ET AL., "Cysteine scanning mutagenesis of the N-terminal 32 amino acid residues in the lactose permease of <i>Escherichia coli</i> ", <i>Protein Sciences</i> , Vol. 3, 1994, pp. 240-247.
CG	MALAKHOVA, I. I., ET AL., "Thin-Layer Chromatography of Free Amino Acids. Selection of Conditions for the Separation of L-Lysine, L-Homoserine, and L-Threonine", <i>Biotechnologiya</i> , Vol. 11, 1996, pp. 27-32.
CH	WAHL, G. M., ET AL., "Cosmid vectors for rapid genomic walking, restriction mapping, and gene transfer", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 84, 1987, pp. 2160-2164.
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CK	TAUCH, A., ET AL., " <i>Corynebacterium glutamicum</i> DNA is subjected to methylation-restriction in <i>Escherichia coli</i> ", <i>FEMS Microbiology Letters</i> , Vol. 123, 1994, pp. 343-348.
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CM	THIERBACH, G., ET AL., "Transformation of spheroplasts and protoplasts of <i>Corynebacterium glutamicum</i> ", <i>Appl. Microbiol. Biotechnol.</i> , Vol. 29, 1988, pp. 356-362.
CN	BUTLER, B. A., "Sequence Analysis Using GCG", <i>Methods of Biochemical Analysis</i> , Vol. 39, 1998, pp. 74-97.
CO	SCHRUMPF, B., ET AL., "A Functionally Split Pathway for Lysine Synthesis in <i>Corynebacterium glutamicum</i> ", <i>Journal of Bacteriology</i> , Vol. 173, No. 14, 1991, pp. 4510-4516.
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CR	STADEN, R., "The current status and portability of our sequence handling software", <i>Nucleic Acids Research</i> , Vol. 14, No. 1, 1986, pp. 217-231.
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CU	PATEK, M., ET AL., "Promoters from <i>Corynebacterium glutamicum</i> : cloning, molecular analysis and search for a consensus motif", <i>Microbiology</i> , 1996, Vol. 142, pp. 1297-1309.
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Examiner Signature	Date Considered
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				First Named Inventor	Burkhard Kröger
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	13111-00006-US

CX	DUNICAN, L. K., ET AL., "High Frequency Transformation of Whole Cells of Amino Acid Producing Coryneform Bacteria Using High Voltage Electroporation", Biotechnology, Vol. 7, 1989, pp. 1067-1070.
CY	LABARRE, J., ET AL., "Gene Replacement, Integration, and Amplification at the <i>gdhA</i> Locus of <i>Corynebacterium glutamicum</i> ", Journal of Bacteriology, 1993, Vol. 175, No. 4, pp. 1001-1007.
CZ	BOLIVAR, F., "Molecular Cloning Vectors Derived From The CoLE1 Type Plasmid pMB1", Life Sciences, Vol. 25, 1979, pp. 807-818.
CA1	SCHWARZER, A., ET AL., "Manipulation of <i>Corynebacterium glutamicum</i> by Gene Disruption and Replacement", Biotechnology, Vol. 9, 1991, pp. 84-87.
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CE1	SAHM, H., ET AL., "Pathway Analysis and Metabolic Engineering in <i>Corynebacterium glutamicum</i> ", Biol. Chem., Vol. 381, 2000, pp. 899-910.
CF1	IKE, Y., ET AL., "Solid phase synthesis of polynucleotides. VIII. Synthesis of mixed oligodeoxyribonucleotides by the phosphotriester solid phase method", Nucleic Acids Research, Vol. 11, No. 2, 1983, pp. 477-488.
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CJ1	HOCHULI, E., ET AL., "Genetic Approach to Facilitate Purification of Recombinant Proteins With a Novel Metal Chelate Adsorbent", Biotechnology, Vol. 6, 1988, pp. 1321-1325.
CK1	GUERRERO, C., ET AL., "Directed mutagenesis of a regulatory palindromic sequence upstream from the <i>Brevibacterium lactofermentum</i> tryptophan operon", Gene, Vol. 138, 1994, pp. 35-41.
CL1	ITAKURA, K., ET AL., "Expression in <i>Escherichia coli</i> of a Chemically Synthesized Gene for the Hormone Somatostatin", Science, Vol. 198, 1977, pp. 1056-1063.
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CQ1	SCHMIDT, S., ET AL., "Near infrared spectroscopy in fermentation and quality control for amino acid production", Bioprocess Engineering, Vol. 19, 1998, pp. 67-70.
CR1	ITAKURA, K., ET AL., "Synthesis and Use of Synthetic Oligonucleotides", Ann. Rev.

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				Art Unit	1645
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Sheet	4	of	4	Attorney Docket Number	13111-00006-US

		Biochem., Vol. 53, 1984, pp. 323-356.	
	CS1	EIKMANN, B. J., ET AL., "Molecular Aspects of lysine, threonine, and isoleucine biosynthesis in <i>Corynebacterium glutamicum</i> ", Atonie van Leeuwenhoek, Vol. 64, 1993, pp. 145-163.	
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	CU1	MALUMBRES, M., ET AL., "Codon preference in <i>Corynebacteria</i> ", Gene, Vol. 134, 1993, pp. 15-24.	
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	CX1	SANGER, F., ET AL., "DNA sequencing with chain-terminating inhibitors", Proc. Natl. Acad. Sci. USA, Vol. 74, No. 12, 1977, pp. 5463-5467.	
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	CA2	PATEK, M., ET AL., "Leucine Synthesis in <i>Corynebacterium glutamicum</i> : Enzyme Activities, Structure of <i>leuA</i> , and Effect of <i>leuA</i> Inactivation on Lysine Synthesis", Applied and Environmental Microbiology, Vol. 60, No. 1, 1994, pp. 133-140.	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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